

DECLARATION FOR UNITED STATES PATENT APPLICATION
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Attorney Docket

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled MOLECULAR BONDING METHOD AND MOLECULAR BONDING DEVICE, the specification of which

[] is attached hereto.

[] was filed on _____, as Application Serial No. _____, and was amended on _____ [if applicable].

[X] was filed under the Patent Cooperation Treaty on April 23, 2004 Serial No. PCT/JP2004/005877 the United States of America being designated, and was amended on February 23, 2005 [if applicable].

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I HEREBY CLAIM foreign priority benefits under Title 35, United States Code §119(a)-(d) of §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number	Country	Foreign Filing Date	Priority Claimed
2003-122629	Japan	April 25, 2003	Yes

I HEREBY CLAIM the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

U.S. Provisional Application Number	Filing Date

I HEREBY CLAIM the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

U.S. Patent Application Number	PCT Patent Application Number	Patent Filing Date	Parent Patent Number

DECLARATION FOR UNITED STATES PATENT APPLICATION
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I hereby appoint the registered attorneys and agents of VENABLE associated with the following customer number to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

26694
26694

PATENT TRADEMARK OFFICE

VENABLE is located at Suite 1000, 1201 New York Avenue, N.W., Washington, D.C. 20005-3917, Telephone: (202) 962-4800, Telefax: (202) 962-8300. Address all correspondence to VENABLE, Post Office Box 34385, Washington, D.C. 20043-9998.

The undersigned hereby authorizes the registered U.S. attorneys and agents identified herein to accept and follow instructions from the undersigned's assignee, if any, and/or, if the undersigned is not a resident of the United States, the undersigned's domestic attorney, patent attorney or patent agent, as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between U.S. attorneys and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the registered U.S. attorneys and agents identified herein will be so notified by the undersigned.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signature: Akira Otomo

Date: November 14, 2005.

First/Sole Inventor: Akira OTOMO

Citizenship: Japanese

Residence and Post Office Address: c/o National Institute of Information and Communications Technology,
Incorporated Administrative Agency, 4-2-1 Nukui-Kitamachi, Koganei-shi
Tokyo 184-8795 Japan

Signature: Seiichi Furumi

Date: November 14, 2005.

Second Inventor: Seiichi FURUMI

Citizenship: Japanese

Residence and Post Office Address: c/o National Institute of Information and Communications Technology,
Incorporated Administrative Agency, 4-2-1 Nukui-Kitamachi, Koganei-shi
Tokyo 184-8795 Japan

Signature: Hitoshi Suzuki

Date: November 14, 2005.

Third Inventor: Hitoshi SUZUKI

Citizenship: Japanese

Residence and Post Office Address: c/o National Institute of Information and Communications Technology,
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Tokyo 184-8795 Japan

DECLARATION FOR UNITED STATES PATENT APPLICATION
POWER OF ATTORNEY, DESIGNATION OF CORRESPONDENCE ADDRESS

Signature: Hideki Miki

Date: November 14, 2005.

Fourth Inventor: Hideki MIKI

Citizenship: Japanese

Residence and Post Office Address: c/o National Institute of Information and Communications Technology,
Incorporated Administrative Agency, 4-2-1 Nukui-Kitamachi, Koganei-shi
Tokyo 184-8795 Japan

Signature: Shinro Mashiko

Date: November 14, 2005.

Fifth Inventor: Shinro MASHIKO

Citizenship: Japanese

Residence and Post Office Address: c/o National Institute of Information and Communications Technology,
Incorporated Administrative Agency, 4-2-1 Nukui-Kitamachi, Koganei-shi
Tokyo 184-8795 Japan

RECORDATION FORM COVER SHEET
(continued)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Shinro Mashiko (11/14/2005)

Additional Assignees (2. Continued):

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers
4A. Continued:Additional Patent Numbers
4B. Continued:

Additional numbers attached?

☐ Yes ☐ No

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Akiro Otomo (11/14/2005), Seiichi Furumi
(11/14/2005), Hitoshi Suzuki (11/14/2005), Hideki
Miki (11/14/2005), and

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

2. Name and address of receiving party(ies)

Name: National Institute of Information and Communications
Technology Incorporated Administrative Agency

Internal Address: _____

Street Address: _____

4-2-1 Nukui-Kitamachi
Tokyo
184-8795; JAPAN

City: _____

State: _____

Country: _____ Zip: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

- ☒ Assignment ☐ Merger ☐ Change of Name
☐ Security Agreement ☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application or patent number(s):

A. Patent Application No.(s)
10/554,059

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: James R. Burdett
VENABLE LLP

Internal Address: Atty. Dkt.: 32011-224744

Street Address: P.O. Box 34385

City: Washington

State: DC Zip: 20043-9998

Phone Number: (202) 344-4000

Fax Number: (202) 344-8300

Email Address: _____

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

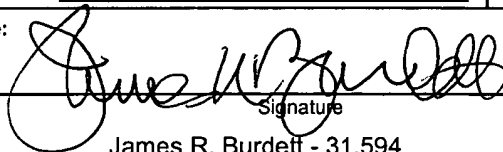
- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☒ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 22-0261
Authorized User Name James R. Burdett

9. Signature:


Signature

James R. Burdett - 31,594
Name of Person Signing

September 1, 2006
Date

Total number of pages including cover
sheet, attachments, and documents: ☐

WORLDWIDE ASSIGNMENT

Attorney Docket No.: _____

WHEREAS Akira OTOMO, Seiichi FURUMI, Hitoshi SUZUKI, Hideki MIKI and Shinro MASHIKO, hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to "MOLECULAR BONDING METHOD AND MOLECULAR BONDING DEVICE" which said assignor has caused an application for United States Letters Patent to be prepared,

[X] the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office.

[] said application having been filed in the United States Patent and Trademark Office on _____, Serial Number _____, and provisional application number _____, filed _____;

WHEREAS National Institute of Information and Communications Technology, Incorporated Administrative Agency of 4-2-1 Nukui-Kitamachi, Koganei-shi, Tokyo 184-8795 Japan hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefore, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by Assignee to Assignor, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire and exclusive right, title, and interest for the United States in and to the invention, the application, and any patents which may be granted therefor, including any and all divisions, continuations, in whole or in part, substitutions, renewals, reissues, reexaminations, and extensions thereof, and all applications claiming priority therefrom; and Assignor authorizes and requests the Commissioner of Patents and Trademarks to issue all patents for the invention, or patents resulting therefrom, insofar as their interest is concerned, to Assignee; to have, hold, exercise, and enjoy, with all the rights, powers, privileges, and advantages in anywise arising therefrom or appertaining thereto, for and during the term or terms of any and all such patents when granted, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as Assignor might or could have held and enjoyed the same, if this assignment had not been made.

Assignor further hereby assigns, sells and transfers, and has assigned, sold, and transferred to Assignee, its successors and assigns, the entire right, title and interest in all countries of the world, in and to the invention and in and to the application and all patents which may be granted therefor, and all national applications, regional applications, divisions, reissues, substitutions, continuations, in whole or in part, re-examinations, and extensions thereof, including the right to file applications and obtain patents for the invention in its own name, in all countries and including all rights of priority in all countries under the terms of any applicable international convention, insofar as its interest is concerned; and the Assignor hereby authorizes and requests the applicable patent office in each country of the world to issue all patents for the invention, or patents resulting therefrom, insofar as its interest is concerned, to the Assignee, to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which any and all of such patents for the invention may issue, to the same extent as the Assignor would hold and enjoy if this Assignment had not been made.

The Assignor further agrees to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights, and also agrees, at the request of the Assignee, to testify in any legal proceedings, sign all lawful papers, make all lawful oaths, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain, maintain and enforce proper patent protection for said invention.

IN WITNESS WHEREOF, each individual collectively referred to as Assignor has caused this Assignment to be executed.

EXECUTED this 14th day of November, 2005.

ASSIGNOR:

Signature: Akira Otomo
Name: Akira OTOMO

WITNESS:

Signature: _____
Name: _____
Address: _____

WORLDWIDE ASSIGNMENT

Attorney Docket No.: _____

Page 2 of 2

EXECUTED this 14th day of November, 2005.

ASSIGNOR:

Signature: Seiichi Furumi
Name: Seiichi FURUMI

WITNESS:

Signature: _____
Name: _____
Address: _____

EXECUTED this 14th day of November, 2005.

ASSIGNOR:

Signature: Hitoshi Suzuki
Name: Hitoshi SUZUKI

WITNESS:

Signature: _____
Name: _____
Address: _____

EXECUTED this 14th day of November, 2005.

ASSIGNOR:

Signature: Hideki Miki
Name: Hideki MIKI

WITNESS:

Signature: _____
Name: _____
Address: _____

EXECUTED this 14th day of November, 2005.

ASSIGNOR:

Signature: Shinro Mashiko
Name: Shinro MASHIKO

WITNESS:

Signature: _____
Name: _____
Address: _____